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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	3	JAN 16	CA/CAplus Company Name Thesaurus enhanced and reloaded
NEWS	4	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	5	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS	6	JAN 22	CA/CAplus updated with revised CAS roles
NEWS	7	JAN 22	CA/CAplus enhanced with patent applications from India
NEWS	8	JAN 29	PHAR reloaded with new search and display fields
NEWS	9	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	10	FEB 15	PATDPASPC enhanced with Drug Approval numbers
NEWS	11	FEB 15	RUSSIAPAT enhanced with pre-1994 records
NEWS	12	FEB 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS	13	FEB 26	MEDLINE reloaded with enhancements
NEWS	14	FEB 26	EMBASE enhanced with Clinical Trial Number field
NEWS	15	FEB 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS	16	FEB 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS	17	FEB 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases
NEWS	18	MAR 15	WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS	19	MAR 16	CASREACT coverage extended
NEWS	20	MAR 20	MARPAT now updated daily
NEWS	21	MAR 22	LWPI reloaded
NEWS	22	MAR 30	RDISCLOSURE reloaded with enhancements
NEWS	23	APR 02	JICST-EPLUS removed from database clusters and STN
NEWS	24	APR 30	GENBANK reloaded and enhanced with Genome Project ID field
NEWS	25	APR 30	CHEMCATS enhanced with 1.2 million new records
NEWS	26	APR 30	CA/CAplus enhanced with 1870-1889 U.S. patent records
NEWS	27	APR 30	INPADOC replaced by INPADOCDB on STN
NEWS	28	MAY 01	New CAS web site launched
NEWS	29	MAY 08	CA/CAplus Indian patent publication number format defined
NEWS	30	MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS	31	MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS	32	MAY 21	TOXCENTER enhanced with BIOSIS reload
NEWS	33	MAY 21	CA/CAplus enhanced with additional kind codes for German patents
NEWS	34	MAY 22	CA/CAplus enhanced with IPC reclassification in Japanese patents

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

10527762.trn

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 NEWS HOURS     STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN     Welcome Banner and News Items
 NEWS IPC8      For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.
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* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:22:38 ON 13 JUN 2007

=> file reg
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY     SESSION
FULL ESTIMATED COST                                       0.21        0.21

FILE 'REGISTRY' ENTERED AT 11:22:46 ON 13 JUN 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   12 JUN 2007  HIGHEST RN 937161-92-7
DICTIONARY FILE UPDATES:  12 JUN 2007  HIGHEST RN 937161-92-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10527762\Struc 1.str
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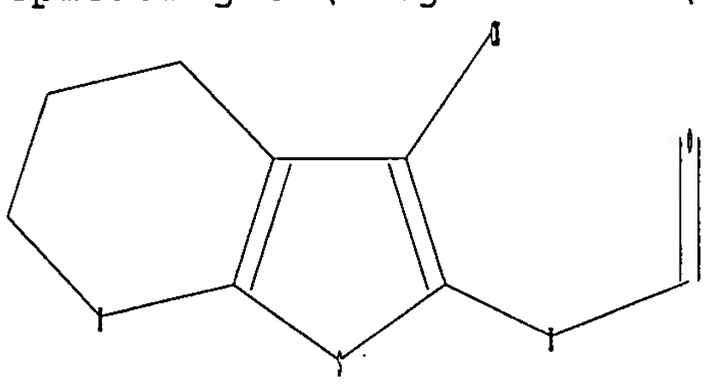

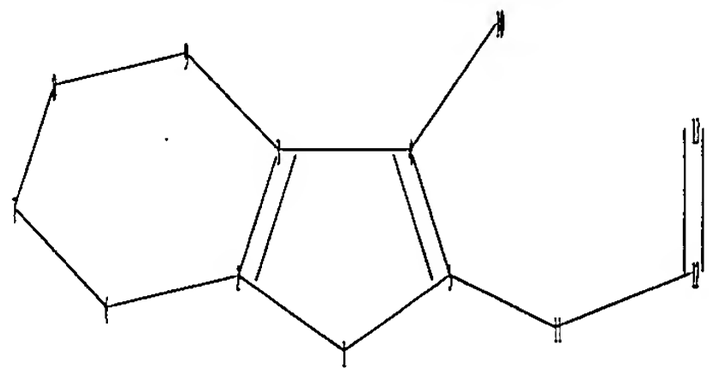

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chain nodes :

10527762.trn
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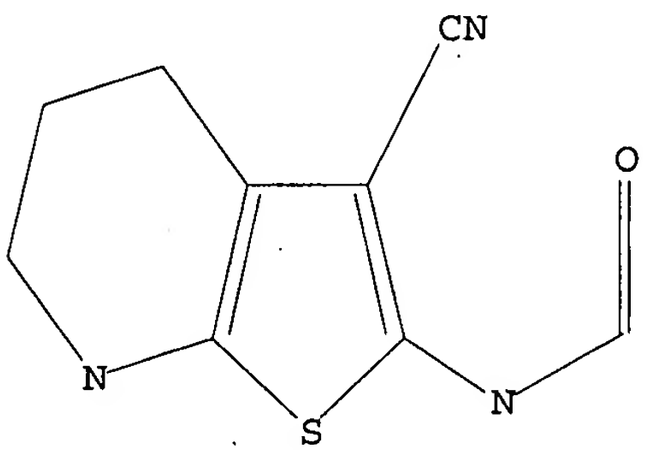
10 11 12 13
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
4-10 5-11 11-12 12-13
ring bonds :
1-2 1-5 2-3 2-6 3-4 3-9 4-5 6-7 7-8 8-9
exact/norm bonds :
1-2 1-5 2-3 2-6 3-4 3-9 4-5 5-11 6-7 7-8 8-9 11-12 12-13
exact bonds :
4-10

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:CLASS

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> l1
SAMPLE SEARCH INITIATED 11:22:58 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH **COMPLETE**
PROJECTED ITERATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> l1 full
FULL SEARCH INITIATED 11:23:02 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 54 TO ITERATE

100.0% PROCESSED 54 ITERATIONS 20 ANSWERS

10527762.trn

SEARCH TIME: 00.00.01

L3 20 SEA SSS FUL L1

=> file medline caplus chemcat

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	172.10	172.31

FILE 'MEDLINE' ENTERED AT 11:23:11 ON 13 JUN 2007

FILE 'CAPLUS' ENTERED AT 11:23:11 ON 13 JUN 2007
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FILE 'CHEMCATS' ENTERED AT 11:23:11 ON 13 JUN 2007
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

=> l3
L4 11 L3

=> dup rem l4
DUPLICATE IS NOT AVAILABLE IN 'CHEMCATS'.

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ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L4
L5            11 DUP REM L4 (0 DUPLICATES REMOVED)
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=> d ibib abs hitstr 1-11
NO VALID FORMATS ENTERED FOR FILE 'CHEMCATS'
In a multifile environment, each file must have at least one valid
format requested.  Refer to file specific help messages or the
STNGUIDE file for information on formats available in individual
files.
REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):
REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):filedefault
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L5 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2007:188037 CAPLUS
DN 146:350594
TI N-(3-Cyano-4,5,6,7-tetrahydro-1-benzothien-2-yl)amides as potent, selective, inhibitors of JNK2 and JNK3
AU Angell, Richard M.; Atkinson, Francis L.; Brown, Murray J.; Chuang, Tsu Tshen; Christopher, John A.; Cichy-Knight, Maria; Dunn, Allison K.; Hightower, Kendra E.; Malkakorpi, Susanna; Musgrave, James R.; Neu, Margarete; Rowland, Paul; Shea, Robyn L.; Smith, Jeffery L.; Somers, Donald O.; Thomas, Sonia A.; Thompson, Gladstone; Wang, Ruolan
CS GlaxoSmithKline R&D, Medicines Research Centre, Stevenage, Hertfordshire, SG1 2NY, UK
SO Bioorganic & Medicinal Chemistry Letters (2007), 17(5), 1296-1301
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Ltd.
DT Journal
LA English
RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:79076 CAPLUS
DN 144:170973
TI Preparation of (fused) thienopyridines for treatment of hepatitis C infection.
IN Karp, Gary Mitchell; Chen, Guangming
PA USA
SO U.S. Pat. Appl. Publ., 186 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2006019976	A1	20060126	US 2005-180779	20050714
AU 2005275182	A1	20060223	AU 2005-275182	20050714
CA 2578636	A1	20060223	CA 2005-2578636	20050714
WO 2006019832	A1	20060223	WO 2005-US24882	20050714
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
EP 1781289	A1	20070509	EP 2005-773284	20050714
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PRAI US 2004-589876P P 20040722
WO 2005-US24882 W 20050714
OS MARPAT 144:170973

L5 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:423698 CAPLUS
DN 142:458555
TI Preparation of 2-aminothiophene derivatives as fungicides
IN Selles, Patrice; Wailes, Jeffrey Steven; Whittingham, William Guy; Clarke, Eric Daniel
PA Syngenta Participations A.-G., Switz.; Syngenta Limited
SO PCT Int. Appl., 155 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005044008	A2	20050519	WO 2004-GB4429	20041019
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRAI GB 2003-24653 A 20031022
OS MARPAT 142:458555

L5 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:252284 CAPLUS
DN 140:287368
TI Preparation of fused thiophenes as glucagon receptor blockers for treatment of type 2 diabetes.
IN Duffy, Joseph; Campbell, Elizabeth Louise; Liang, Rui; Konteatis, Zenon
PA Merck & Co., Inc., USA
SO PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004024065	A2	20040325	WO 2003-US28033	20030908
WO 2004024065	A3	20040513		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2498106	A1	20040325	CA 2003-2498106	20030908
AU 2003270390	A1	20040430	AU 2003-270390	20030908
EP 1549655	A2	20050706	EP 2003-752080	20030908
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006503034	T	20060126	JP 2004-536137	20030908
US 2005239865	A1	20051027	US 2005-527762	20050311

PRAI US 2002-410145P P 20020912
WO 2003-US28033 W 20030908
OS MARPAT 140:287368

L5 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1972:526675 CAPLUS
DN 77:126675
TI Antiviral 5,6,7,8-tetrahydro-5,8-ethanopyridino[2,3-b]thieno[5,4-d]pyrimidines
IN Wellings, Ian
SO U.S., 7 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3681351	A	19720801	US 1970-28959	19700415
PRAI	US 1970-28959	A	19700415		

L5 ANSWER 6 OF 11 CHEMCATS COPYRIGHT 2007 ACS on STN
Accession No. (AN): 2007:2783940 CHEMCATS
Catalog Name (CO): Chemical Block Stock Library
Publication Date (PD): 24 May 2007
Order Number (ON): A4016/0171272
Chemical Name (CN): Urea, N-(3-cyano-5,6-dihydro-4H-4,7-ethanothieno[2,3-b]pyridin-2-yl)-N'-(3,4-dichlorophenyl)-
CAS Registry No. (RN): 874590-25-7
Supplementary Term (ST): CHEMICAL LIBRARY
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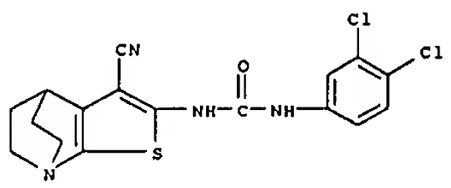

L5 ANSWER 7 OF 11 CHEMCATS COPYRIGHT 2007 ACS on STN
Accession No. (AN): 2007:1841359 CHEMCATS
Catalog Name (CO): Ambinter Stock Screening Collection
Publication Date (PD): 15 Feb 2007
Order Number (ON): A4016/0171272
Chemical Name (CN): Chemical name not yet assigned
CAS Registry No. (RN): 874590-25-7
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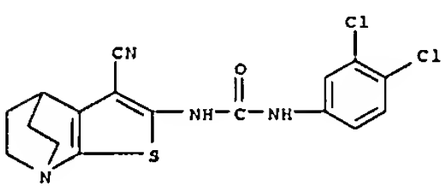

L5 ANSWER 8 OF 11 CHEMCATS COPYRIGHT 2007 ACS on STN
Accession No. (AN): 2007:1108378 CHEMCATS
Catalog Name (CO): Scientific Exchange Product List
Publication Date (PD): 18 May 2007
Order Number (ON): M-919798
Chemical Name (CN): Chemical name not yet assigned
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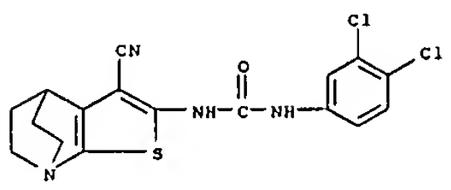

L5 ANSWER 9 OF 11 CHEMCATS COPYRIGHT 2007 ACS on STN
Accession No. (AN): 2006:3038777 CHEMCATS
Catalog Name (CO): MicroChemistry Screening Collection
Publication Date (PD): 25 Apr 2007
Order Number (ON): 239400
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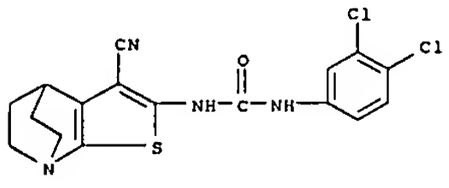

L5 ANSWER 10 OF 11 CHEMCATS COPYRIGHT 2007 ACS on STN
Accession No. (AN): 2006:1652634 CHEMCATS
Catalog Name (CO): Aurora Screening Library
Publication Date (PD): 1 Jan 2007
Order Number (ON): kcheb-118504
Chemical Name (CN): Chemical name not yet assigned
CAS Registry No. (RN): 874590-25-7
Supplementary Term (ST): CHEMICAL LIBRARY
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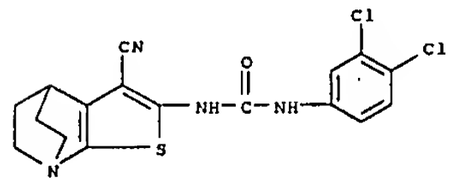

L5 ANSWER 11 OF 11 CHEMCATS COPYRIGHT 2007 ACS on STN
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Publication Date (PD): 7 Feb 2006
Order Number (ON): AKLM5-PFR-150818
Chemical Name (CN): Chemical name not yet assigned
CAS Registry No. (RN): 874590-25-7
Supplementary Term (ST): CHEMICAL LIBRARY
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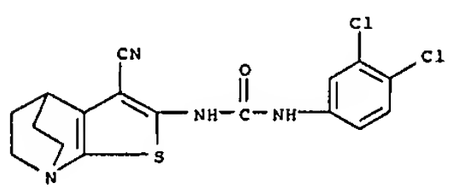

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COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                        19.97     192.28

FILE 'MEDLINE' ENTERED AT 11:24:18 ON 13 JUN 2007

FILE 'CAPLUS' ENTERED AT 11:24:18 ON 13 JUN 2007
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=> l3
L6             5 L3

=> d ibib abs hitstr 1-5
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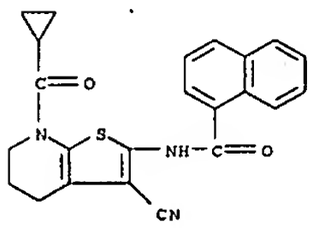
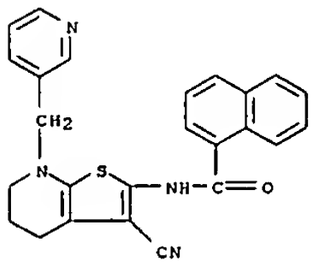
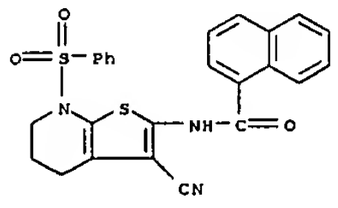
L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:188037 CAPLUS
DOCUMENT NUMBER: 146:350594
TITLE:
N-(3-Cyano-4,5,6,7-tetrahydro-1-benzothien-2-yl)amides as potent, selective, inhibitors of JNK2 and JNK3
AUTHOR(S): Angell, Richard M.; Atkinson, Francis L.; Brown, Murray J.; Chuang, Tsu Tshen; Christopher, John A.; Cichy-Knight, Maria; Dunn, Allison K.; Hightower, Kendra E.; Malkakorpi, Susanna; Musgrave, James R.; Neu, Margarete; Rowland, Paul; Shea, Robyn L.; Smith, Jeffery L.; Somers, Donald O.; Thomas, Sonia A.; Thompson, Gladstone; Wang, Ruolan
CORPORATE SOURCE: GlaxoSmithKline R&D, Medicines Research Centre, Stevenage, Hertfordshire, SG1 2NY, UK
SOURCE: Bioorganic & Medicinal Chemistry Letters (2007), 17(5), 1296-1301
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The identification and exploration of a novel, potent and selective series of N-(3-cyano-4,5,6,7-tetrahydro-1-benzothien-2-yl)amide inhibitors of JNK2 and JNK3 kinases is described. Compds. 5a and 11a were identified as potent inhibitors of JNK3 (pIC50 6.7 and 6.6, resp.), with essentially equal potency against JNK2 (pIC50 6.5). Selectivity within the mitogen-activated protein kinase (MAPK) family, against JNK1, p38α and ERK2, was observed for the series. X-ray crystallog. of 5e and 8a in JNK3 revealed a unique binding mode, with the 3-cyano substituent forming an H-bond acceptor interaction with the hinge region of the ATP-binding site.
IT 929700-76-5P 929700-77-6P 929700-78-7P
929700-79-8P 929700-80-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cyanotetrahydrobenzothienylamides as inhibitors of JNK2 and JNK3)
RN 929700-76-5 CAPLUS
CN 1-Naphthalenecarboxamide, N-[3-cyano-7-(cyclopropylcarbonyl)-4,5,6,7-tetrahydrothieno[2,3-b]pyridin-2-yl]- (CA INDEX NAME)



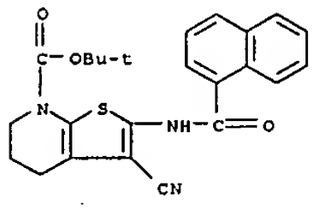
L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 929700-80-1 CAPLUS
CN 1-Naphthalenecarboxamide, N-[3-cyano-4,5,6,7-tetrahydro-7-(phenylsulfonyl)thieno[2,3-b]pyridin-2-yl]- (CA INDEX NAME)

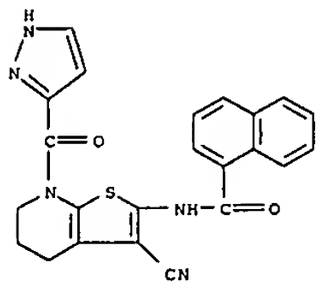


IT 929700-66-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(cyanotetrahydrobenzothienylamides as inhibitors of JNK2 and JNK3)
RN 929700-66-3 CAPLUS
CN Thieno[2,3-b]pyridine-7(4H)-carboxylic acid, 3-cyano-5,6-dihydro-2-[(1-naphthalenylcarbonyl)amino]-, 1,1-dimethylethyl ester (CA INDEX NAME)

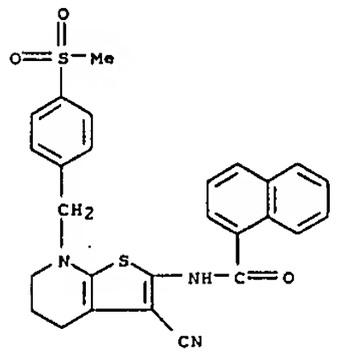


REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
RN 929700-77-6 CAPLUS
CN 1-Naphthalenecarboxamide, N-(3-cyano-4,5,6,7-tetrahydro-7-(1H-pyrazol-3-ylcarbonyl)thieno[2,3-b]pyridin-2-yl]- (CA INDEX NAME)



RN 929700-78-7 CAPLUS
CN 1-Naphthalenecarboxamide, N-[3-cyano-4,5,6,7-tetrahydro-7-[[4-(methylsulfonyl)phenyl]methyl]thieno[2,3-b]pyridin-2-yl]- (CA INDEX NAME)



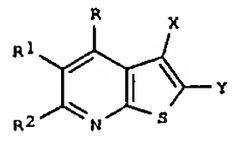
RN 929700-79-8 CAPLUS
CN 1-Naphthalenecarboxamide, N-[3-cyano-4,5,6,7-tetrahydro-7-(3-pyridinylmethyl)thieno[2,3-b]pyridin-2-yl]- (CA INDEX NAME)

L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2006:79076 CAPLUS
DOCUMENT NUMBER: 144:170973
TITLE: Preparation of (fused) thienopyridines for treatment of hepatitis C infection.
INVENTOR(S): Karp, Gary Mitchell; Chen, Guangming
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 186 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006019976	A1	20060126	US 2005-180779	20050714
AU 2005275182	A1	20060223	AU 2005-275182	20050714
CA 2578636	A1	20060223	CA 2005-2578636	20050714
WO 2006019832	A1	20060223	WO 2005-US24882	20050714
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
EP 1781289	A1	20070509	EP 2005-773284	20050714
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				

PRIORITY APPLN. INFO.: US 2004-589876P P 20040722
WO 2005-US24882 W 20050714

OTHER SOURCE(S): MARPAT 144:170973
GI



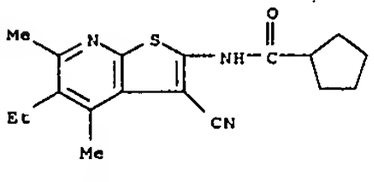
I

AB Title compds. [I; X = H, cyano, amino, heteroaryl, alkoxy, cyano, halo, etc.; Y = halo, amino, alkylsulfonyl, cyano, (substituted) aryl, amino, heterocyclyl, heteroaryl, aryl, etc.; R = H, alkyl, haloalkyl, hydroxyalkyl, aryl, haloaryl; R1 = H, aryl, alkyl, alkoxy, aminoalkoxy, heterocyclylalkoxy, amino, etc.; R2 = alkyl, heterocyclyl, amino; adjacent

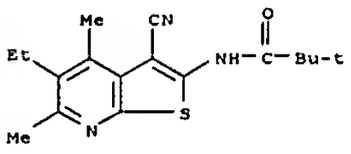
L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
pairs of variables may form rings], were prepd. Thus, 2-cyanothioacetamide, 3-ethylpentane-2,4-dione, and Et3N were heated in EtOH at 60° for 1 h to give 89% 5-ethyl-2-mercapto-4,6-dimethylnicotinonitrile. This was stirred with tert-Bu bromoacetate and K2CO3 in DMF at room temp. to 80° to give 96% tert-Bu 3-amino-5-ethyl-4,6-dimethylnicotinonitrile. Several I showed IC50's of <0.5 μM in an HCV replicon system.

IT 874633-06-4P 874633-07-5P 874633-08-6P
874633-13-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(claimed compound; preparation of (fused) thienopyridines for treatment of
hepatitis C infection)

RN 874633-06-4 CAPLUS
CN Cyclopentanecarboxamide, N-(3-cyano-5-ethyl-4,6-dimethylthieno[2,3-b]pyridin-2-yl)- (9CI) (CA INDEX NAME)

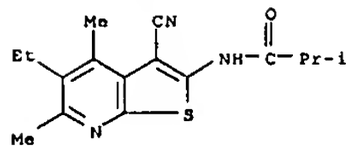


RN 874633-07-5 CAPLUS
CN Propanamide, N-(3-cyano-5-ethyl-4,6-dimethylthieno[2,3-b]pyridin-2-yl)-2,2-dimethyl- (9CI) (CA INDEX NAME)

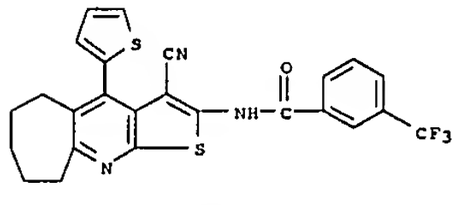


RN 874633-08-6 CAPLUS
CN Propanamide, N-(3-cyano-5-ethyl-4,6-dimethylthieno[2,3-b]pyridin-2-yl)-2-methyl- (9CI) (CA INDEX NAME)

L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

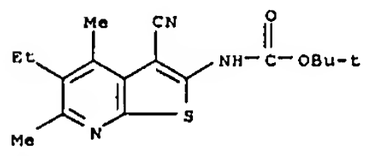


RN 874633-13-3 CAPLUS
CN Benzamide, N-[3-cyano-6,7,8,9-tetrahydro-4-(2-thienyl)-5H-cyclohepta[b]thieno[3,2-e]pyridin-2-yl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



IT 874633-38-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of (fused) thienopyridines for treatment of hepatitis C infection)

RN 874633-38-2 CAPLUS
CN Carbamic acid, (3-cyano-5-ethyl-4,6-dimethylthieno[2,3-b]pyridin-2-yl)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



L6 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

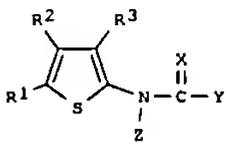
ACCESSION NUMBER: 2005:423698 CAPLUS
DOCUMENT NUMBER: 142:458555
TITLE: Preparation of 2-aminothiophene derivatives as fungicides
INVENTOR(S): Selles, Patrice; Wailes, Jeffrey Steven; Whittingham, William Guy; Clarke, Eric Daniel
PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.; Syngenta Limited
SOURCE: PCT Int. Appl., 155 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005044008	A2	20050519	WO 2004-GB4429	20041019

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: GB 2003-24653 A 20031022

OTHER SOURCE(S): MARPAT 142:458555
GI



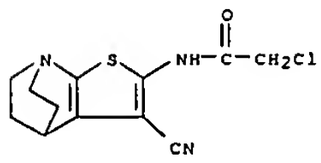
I

AB The 2-aminothiophene derivs. I [R1, R2 = H, halo, (cyclo)alkyl, hydroxyalkyl, etc.; R1R2= alkylene; R3 = H, halo, NO2, CN, (halo)alkyl, alkenyl, alkynyl, etc.; X = O, S, NH2,etc.; Y = H, (halo)alkyl, hydroxyalkyl, etc.; Z = H, (alkoxy)alkyl, alkylcarbonyl, etc.] are prepared
as fungicides. The invention further relates to fungicidal compns. containing
these compds., processes for preparing these compds. and to some of the compds. themselves.

IT 851443-96-4P
RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation as fungicide)

RN 851443-96-4 CAPLUS
CN Acetamide, 2-chloro-N-(3-cyano-5,6-dihydro-4H-4,7-ethanothieno[2,3-

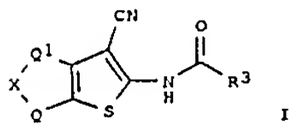
L6 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
b]pyridin-2-yl)- (9CI) (CA INDEX NAME)



L6 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:252284 CAPLUS
DOCUMENT NUMBER: 140:287368
TITLE: Preparation of fused thiophenes as glucagon receptor blockers for treatment of type 2 diabetes.
INVENTOR(S): Duffy, Joseph; Campbell, Elizabeth Louise; Liang, Rui; Konteatis, Zenon
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004024065	A2	20040325	WO 2003-US28033	20030908
WO 2004024065	A3	20040513		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2498106	A1	20040325	CA 2003-2498106	20030908
AU 2003270390	A1	20040430	AU 2003-270390	20030908
EP 1549655	A2	20050706	EP 2003-752080	20030908
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006503034	T	20060126	JP 2004-536137	20030908
US 2005239865	A1	20051027	US 2005-527762	20050311
PRIORITY APPLN. INFO.:			US 2002-410145P	P 20020912
			WO 2003-US28033	W 20030908

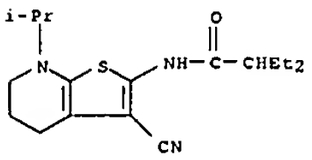
OTHER SOURCE(S): MARPAT 140:287368
GI



I

AB Title compds. [I; Q = (CR5R6)m; Q1 = (CH2)n; X = NR4, CR5R6; R1 = H, (substituted) alkyl, cycloalkyl, aryl; R2 = R1, CO2R7, CONR7R8; m, n = 0-3; R3 = (substituted) alkyl, cycloalkyl, aryl; R4 = (substituted) alkyl,

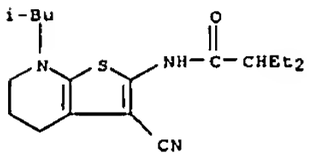
b]pyridin-2-yl]-2-ethyl- (9CI) (CA INDEX NAME)



IT 675572-74-4P 675572-75-5P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of fused thiophenes as glucagon receptor blockers for treatment
of type 2 diabetes)
RN 675572-74-4 CAPLUS
CN Butanamide, N-[3-cyano-4,5,6,7-tetrahydro-7-(2-methylpropyl)thieno[2,3-b]pyridin-2-yl]-2-ethyl-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

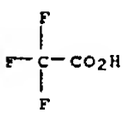
CM 1

CRN 675572-22-2
CMF C18 H27 N3 O S



CM 2

CRN 76-05-1
CMF C2 H F3 O2

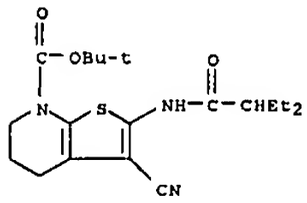


RN 675572-75-5 CAPLUS
CN Butanamide, N-[3-cyano-4,5,6,7-tetrahydro-7-(1-methylethyl)thieno[2,3-b]pyridin-2-yl]-2-ethyl-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

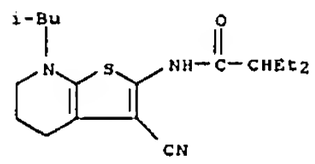
CM 1

CRN 675572-23-3

cycloalkyl, aryl, alkylcarbonyl, arylcarbonyl, heteroaryl, heteroarylcarbonyl, etc.; 1 of R5, R6 = NR11R12, NR11COR12, NR11COR12, NR11SO2R12, the other = R1, OR11, heteroaryl, etc.; R7, R10, R11 = R1, (substituted) heteroaryl, etc.; R8, R12 = (substituted) alkyl, cycloalkyl,
aryl, heteroaryl, etc.; R11R12 = atoms to form a 5-8 membered (substituted) ring; with provisos], were prepd. for treatment of diabetes and related conditions (no data). Thus, tert-Bu 3-oxopiperidine-1-carboxylate, malononitrile, morpholine, and S were stirred 16 h in EtOH to
give tert-Bu 2-amino-3-cyano-5,6-dihydrothieno[2,3-b]pyridine-7(4H)-carboxylate. This was stirred 16 h with diisopropylethylamine and 2-ethylbutanoyl chloride in CH2Cl2 to give tert-Bu 2-[(2-ethylbutanoyl)amino]-3-cyano-5,6-dihydrothieno[2,3-b]pyridine-7(4H)-carboxylate.
IT 675572-21-1P 675572-22-2P 675572-23-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(claimed compound; preparation of fused thiophenes as glucagon receptor
blockers for treatment of type 2 diabetes)
RN 675572-21-1 CAPLUS
CN Thieno[2,3-b]pyridine-7(4H)-carboxylic acid, 3-cyano-2-[(2-ethyl-1-oxobutyl)amino]-5,6-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

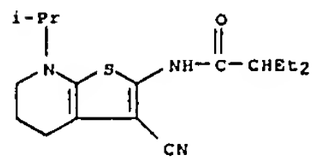


RN 675572-22-2 CAPLUS
CN Butanamide, N-[3-cyano-4,5,6,7-tetrahydro-7-(2-methylpropyl)thieno[2,3-b]pyridin-2-yl]-2-ethyl- (9CI) (CA INDEX NAME)



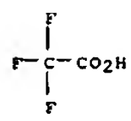
RN 675572-23-3 CAPLUS
CN Butanamide, N-[3-cyano-4,5,6,7-tetrahydro-7-(1-methylethyl)thieno[2,3-

CMF C17 H25 N3 O S

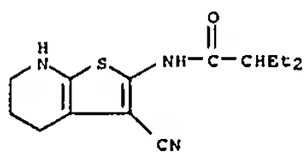


CM 2

CRN 76-05-1
CMF C2 H F3 O2



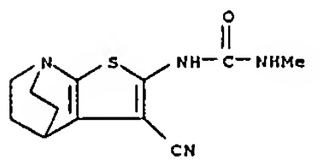
IT 675572-67-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of fused thiophenes as glucagon receptor blockers for treatment
of type 2 diabetes)
RN 675572-67-5 CAPLUS
CN Butanamide, N-(3-cyano-4,5,6,7-tetrahydrothieno[2,3-b]pyridin-2-yl)-2-ethyl- (9CI) (CA INDEX NAME)



L6 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1972:526675 CAPLUS
DOCUMENT NUMBER: 77:126675
TITLE: Antiviral 5,6,7,8-tetrahydro-5,8-ethanopyridino[2,3-b]thieno[5,4-d]pyrimidines
INVENTOR(S): Wellings, Ian
SOURCE: U.S., 7 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3681351	A	19720801	US 1970-28959	19700415
PRIORITY APPLN. INFO.:			US 1970-28959 A	19700415

GI For diagram(s), see printed CA Issue.
AB The title compds. (I, R = H2N, HO, Me2CHNH, HS, H, Cl, MeNH, R1 = H, Me, H2N; and II, R2 = H, Me, EtNH, HO; R3 = H, Me) and their acid salts were prepared by treating III (R4 = cyano, R5 = R6 = H) with (EtO)3CH to give III [R4 = cyano, (R5R6) = :CHOEt (IV) which was aminated by NH3 or secondary amines to give I or II, resp. Thus, 0.1 mole III (R4 = cyano, R5 = R6 = H) was refluxed with 200 ml (EtO)3CH to give IV, which was stirred in NH3-EtOH with continued NH3 sparging to give I (R = H2N, R1 = H) which was converted to the dihydrochloride by HCl-EtOH.
IT 36909-16-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 36909-16-7 CAPLUS
CN Urea, N-(3-cyano-5,6-dihydro-4H-4,7-ethanothieno[2,3-b]pyridin-2-yl)-N'-methyl- (9CI) (CA INDEX NAME)



=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	28.55	220.83

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.90	-3.90

STN INTERNATIONAL LOGOFF AT 11:26:33 ON 13 JUN 2007